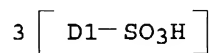
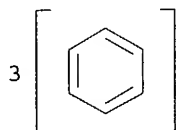


L Number	Hits	Search Text	DB	Time stamp
1	180	ink and dye and water and (shear near thinning)	USPAT; US-PGPUB	2004/07/22 19:02
2	4	((ink and dye and water and (shear near thinning)) and ((\$methane methine)same dye)	USPAT; US-PGPUB	2004/07/22 18:54
3	158	((ink and dye and water and (shear near thinning)) and (polysaccharide starch hydrogel silica polyvinyl gum)	USPAT; US-PGPUB	2004/07/22 18:57
4	61	((ink and dye and water and (shear near thinning)) and thickener	USPAT; US-PGPUB	2004/07/22 18:58
5	44	((ink and dye and water and (shear near thinning)) and thickener) and (polyethylene adj glycol urea fatty near alcohol)	USPAT; US-PGPUB	2004/07/22 20:45
6	8	((((ink and dye and water and (shear near thinning)) and thickener) and (polyethylene adj glycol urea fatty near alcohol)) and 106/\$.ccls.	USPAT; US-PGPUB	2004/07/22 18:59
7	19	ink and dye and water and (shear near thinning near index)	USPAT; US-PGPUB	2004/07/22 20:42
8	4	("2305098" "2555474" "3886083" "4246033").pn.	USPAT; US-PGPUB	2004/07/22 20:44
9	0	((("2305098" "2555474" "3886083" "4246033").pn.) and shear	USPAT; US-PGPUB	2004/07/22 20:44
10	23	((ink and dye and water and (shear near thinning)) and 401/\$.ccls.	USPAT; US-PGPUB	2004/07/22 20:46
11	17	((ink and dye and water and (shear near thinning)) and 401/\$.ccls.) not ((ink and dye and water and (shear near thinning near index)) (((ink and dye and water and (shear near thinning)) and thickener) and (polyethylene adj glycol urea fatty near alcohol)) and 106/\$.ccls.))	USPAT; US-PGPUB	2004/07/22 20:47
12	0	((((ink and dye and water and (shear near thinning)) and 401/\$.ccls.) not ((ink and dye and water and (shear near thinning near index)) (((ink and dye and water and (shear near thinning)) and thickener) and (polyethylene adj glycol urea fatty near alcohol)) and 106/\$.ccls.))) and (erase eradica\$4 invisible disappear)	USPAT; US-PGPUB	2004/07/22 20:49
13	6	((((ink and dye and water and (shear near thinning)) and 401/\$.ccls.) not ((ink and dye and water and (shear near thinning near index)) (((ink and dye and water and (shear near thinning)) and thickener) and (polyethylene adj glycol urea fatty near alcohol)) and 106/\$.ccls.))) and (erase eradica\$4 invisible disappear remove)	USPAT; US-PGPUB	2004/07/22 21:05
14	103	((ink and dye and water and (shear near thinning)) and (erase eradica\$4 invisible disappear remove)	USPAT; US-PGPUB	2004/07/22 21:05
15	15	((ink and dye and water and (shear near thinning)) and (erase eradica\$4 invisible disappear remove)) and (((((ink and dye and water and (shear near thinning)) and thickener) and (polyethylene adj glycol urea fatty near alcohol)) and 106/\$.ccls.) ((ink and dye and water and (shear near thinning)) and 401/\$.ccls.) (((ink and dye and water and (shear near thinning)) and 401/\$.ccls.) not ((ink and dye and water and (shear near thinning near index)) (((ink and dye and water and (shear near thinning)) and thickener) and (polyethylene adj glycol urea fatty near alcohol)) and 106/\$.ccls.))) and (erase eradica\$4 invisible disappear remove)) ((ink and dye and water and (shear near thinning)) and ((\$methane methine)same dye)))	USPAT; US-PGPUB	2004/07/22 21:06

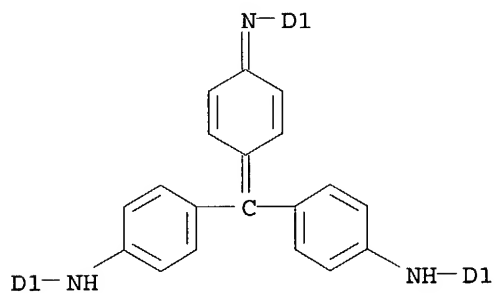
N 28983-56-4 REGISTRY  
 CN Benzenesulfonic acid, [[4-[bis[4-[(sulfophenyl)amino]phenyl]methylene]-2,5-cyclohexadien-1-ylidene]amino]-, disodium salt (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN C.I. Acid Blue 93 (7CI)  
 CN C.I. Acid Blue 93, disodium salt (8CI)  
 CN Methyl blue (6CI)  
 OTHER NAMES:  
 CN Acid Blue 93  
 CN Acid Leather Blue HER  
 CN Aniline Blue  
 CN Brilliant Lake Blue G  
 CN C.I. 42780  
 CN Cotton blue  
 CN **Helvetia Blue**  
 CN Helvetia Blue I  
 CN Helvetia Blue Pure I  
 CN Ink Blue  
 CN Ink Blue BA  
 CN Ink Blue BJT  
 CN Ink Blue BJTBN 80  
 CN Ink Blue BJTBNA 80  
 CN Ink Blue BJTN  
 CN Ink Blue G  
 CN Ink Blue M  
 CN Ink Blue N  
 CN Ink Blue Special  
 CN Ink Blue WGS  
 CN Ink Blue WRS  
 CN Methyl blue (biological stain)  
 CN Orient Soluble Blue OBB  
 CN Orient Soluble Blue OBC  
 CN Pure Soluble Blue I  
 CN Silk Blue H  
 CN Sky Blue G  
 CN Solar Soluble Blue BN  
 CN Soluble Blue  
 CN Soluble Blue 8B  
 CN Special Soluble Blue HT  
 CN Water Blue 6B  
 CN Water Blue B  
 CN Water Blue I Old Type 1240a  
 CN Water Blue IN  
 DR 1324-79-4  
 MF C37 H29 N3 O9 S3 . 2 Na  
 CI IDS  
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMLIST, CIN, CSCHEM, CSNB, EMBASE, IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK\*, MSDS-OHS, PIRA, PROMT, RTECS\*, TOXCENTER, USPAT2, USPATFULL  
 (\*File contains numerically searchable property data)  
 Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)  
 DT.CA Caplus document type: Conference; Journal; Patent  
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)  
 RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); USES (Uses)  
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)  
 RLD.NP Roles for non-specific derivatives from non-patents: FORM (Formation,

nonpreparative); PRP (Properties)  
CRN (30424-60-3)

PAGE 1-A



PAGE 2-A



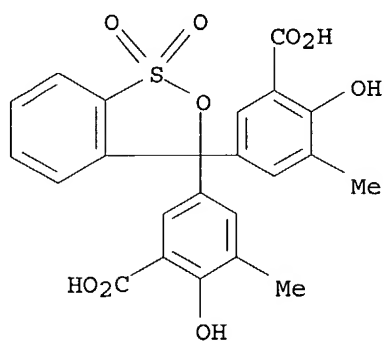
● 2 Na

204 REFERENCES IN FILE CA (1907 TO DATE)  
4 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
204 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
15 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

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ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN

RN 3564-18-9 REGISTRY  
 CN Benzoic acid, 3,3'-(1,1-dioxido-3H-2,1-benzoxathiol-3-ylidene)bis[6-hydroxy-5-methyl-, trisodium salt (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 3H-2,1-Benzoxathiole, benzoic acid deriv.  
 CN Benzoic acid, 3,3'-(3H-2,1-benzoxathiol-3-ylidene)bis[6-hydroxy-5-methyl-, S,S-dioxide, trisodium salt  
 CN C.I. Mordant Blue 3 (7CI)  
 CN C.I. Mordant Blue 3, trisodium salt (8CI)  
 CN Solochrome Cyanine R (6CI)  
 OTHER NAMES:  
 CN Alizarol Cyanine RC  
 CN Atlantichrome Cyanine RA  
 CN C.I. 43820  
 CN Chrome Blue 3R  
 CN Chrome Cyanine R  
 CN **Chromoxane Cyanin R**  
 CN Chromoxane Cyanine R  
 CN Chromoxane Cyanine RA  
 CN Cromal Blue Black B  
 CN Diacromo Cyanine R  
 CN Diamond Cyanine R  
 CN Eiochrome Cyanine R  
 CN Eriochromcyanin No. 553  
 CN Eriochrome Cyanin R  
 CN Eriochrome Cyanine R  
 CN Eriochrome Cyanine RC  
 CN Fenakrom Blue XR  
 CN Mordant Blue 3  
 CN Omega Chrome Cyanine GR  
 CN Pontachrome Blue ECR  
 CN Sunchromine Cyanine R  
 CN Tertrochrome Cyanine CR  
 DR 55128-07-9, 98981-26-1, 29545-72-0  
 MF C23 H18 O9 S . 3 Na  
 CI COM  
 LC STN Files: ANABSTR, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS, CHEMCATS, CHEMLIST, CSCHEM, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MSDS-OHS, TOXCENTER, USPATFULL  
 Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)  
 DT.CA Caplus document type: Conference; Journal; Patent; Report  
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); PRP (Properties); USES (Uses)  
 RLD.P Roles for non-specific derivatives from patents: USES (Uses)  
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)  
 RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); FORM (Formation, nonpreparative); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent)  
 CRN (2588-24-1)



●3 Na

362 REFERENCES IN FILE CA (1907 TO DATE)  
 28 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 362 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 37 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

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ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN

RN 5141-20-8 REGISTRY

CN Benzenemethanaminium, N-ethyl-N-[4-[[4-[ethyl[(3-sulfo-phenyl)methyl]amino]phenyl](4-sulfo-phenyl)methylene]-2,5-cyclohexadien-1-ylidene]-3-sulfo-, inner salt, disodium salt (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Benzenemethanaminium, N-ethyl-N-[4-[[4-[ethyl[(3-sulfo-phenyl)methyl]amino]phenyl](4-sulfo-phenyl)methylene]-2,5-cyclohexadien-1-ylidene]-3-sulfo-, hydroxide, inner salt, disodium salt

CN C.I. Acid Green 5 (7CI)

CN C.I. Acid Green 5, disodium salt (8CI)

CN Light Green SF (6CI)

OTHER NAMES:

CN A F Green No.2

CN Acid Brilliant Green SF

CN Acid Green 5

CN Acid Green A

CN Acidal Light Green SF

CN Acilan Green SFG

CN Acilan Light Green SFG

CN Amacid Green G

CN C.I. 42095

CN C.I. Food Green 2

CN D and C Green No. 4

CN FD and C Green No. 2

CN Fenazo Green 7G

CN Food Green 2

CN Green No. 203

CN Japan Green 205

CN Japan Green No. 205

CN Leather Green SF

CN Light Green Lake

CN Light Green SF Yellowish

CN Light Green SFA

CN Light Green SFD

CN Light Green Yellowish

CN Light SF Yellowish

CN **Lissamine Green SF**

CN Lissamine Lake Green SF

CN Merantine Green SF

CN MY/68

CN NSC 9619

CN Pencil Green SF

CN Sulfo Green J

CN Sumitomo Light Green SF Yellowish

DR 4857-83-4

MF C37 H36 N2 O9 S3 . 2 Na

CI COM

LC STN Files: AGRICOLA, AQUIRE, BEILSTEIN\*, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS, CHEMCATS, CHEMLIST, CSCHEM, CSNB, DDFU, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, NIOSHTIC, RTECS\*, TOXCENTER, USPATFULL

(\*File contains numerically searchable property data)

Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*

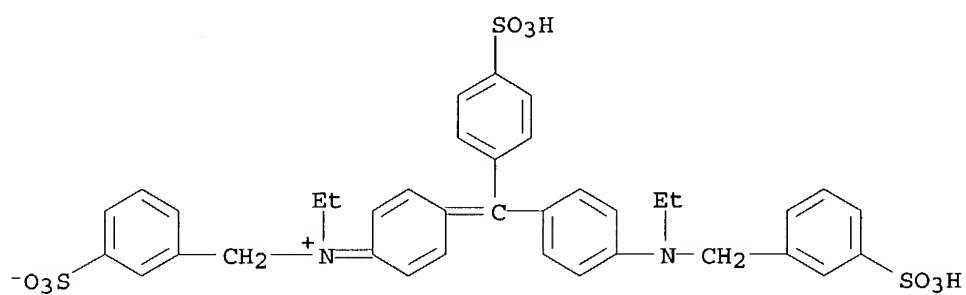
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

DT.CA Caplus document type: Conference; Journal; Patent; Report

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); MSC (Miscellaneous); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

CRN (25305-94-6)



●2 Na

215 REFERENCES IN FILE CA (1907 TO DATE)  
215 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
40 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN

RN 2580-56-5 REGISTRY

CN Methanaminium, N-[4-[[4-(dimethylamino)phenyl][4-(phenylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, chloride (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN C.I. Basic Blue 26 (7CI, 8CI)

CN **Victoria Blue B (6CI)**

OTHER NAMES:

CN ADC Victoria Blue B

CN Aizen Victoria Blue BH

CN Basazol C Blue 57

CN Basic Blue 26

CN Basonyl Blue 640

CN C-WR Blue 8

CN C.I. 44045

CN Calcozine Blue B

CN Flexo Blue 640

CN Hecto Blue B

CN Hidaco Victoria Blue B

CN Mitsui Victoria Blue B

CN Tertrophene Blue

CN Victoria Blue B chloride

CN Victoria Blue BA

CN Victoria Blue BH

CN Victoria Blue BN

CN Victoria Blue BN CI 44045

CN Victoria Blue BP

CN Victoria Blue BS

CN Victoria Blue BSA

CN Victoria Blue BX

CN Victoria Blue FB

CN Victoria Pure Blue B

CN Victoria Pure Blue BC

DR 97930-07-9

MF C33 H32 N3 . Cl

CI COM

LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS, CHEMCATS, CHEMLIST, CIN, CSCHEM, EMBASE, IFICDB, IFIPAT, IFIUDB, MEDLINE, MSDS-OHS, NIOSHTIC, PIRA, PROMT, TOXCENTER, USPAT2, USPATFULL

(\*File contains numerically searchable property data)

Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

DT.CA Caplus document type: Conference; Journal; Patent; Report

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); MSC (Miscellaneous); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

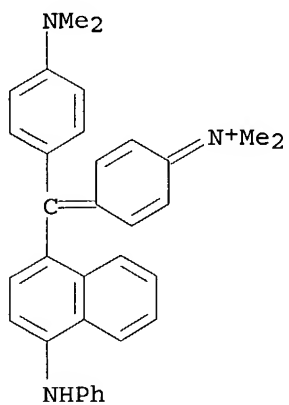
RLD.P Roles for non-specific derivatives from patents: PREP (Preparation); PROC (Process); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.NP Roles for non-specific derivatives from non-patents: PRP (Properties)

CRN (48232-56-0)





● Cl<sup>-</sup>

289 REFERENCES IN FILE CA (1907 TO DATE)  
 6 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 289 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 30 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN

RN 569-58-4 REGISTRY

CN Benzoic acid, 5-[(3-carboxy-4-hydroxyphenyl)(3-carboxy-4-oxo-2,5-cyclohexadien-1-ylidene)methyl]-2-hydroxy-, triammonium salt (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1,4-Cyclohexadiene-1-carboxylic acid, 3-[bis(3-carboxy-4-hydroxyphenyl)methylene]-6-oxo-, triammonium salt (7CI)

CN **Aluminon** (6CI)

CN C.I. Mordant Violet 39, triammonium salt (8CI)

OTHER NAMES:

CN Ammonium aurintricarboxylate

CN Aurintricarboxylic acid ammonium salt

CN Aurintricarboxylic acid triammonium salt

CN Triammonium aurintricarboxylate

CN Triammonium dihydroxyfuchsonetricarboxylate

DR 25329-64-0, 144097-08-5

MF C22 H14 O9 . 3 H3 N

CI COM

LC STN Files: AGRICOLA, BEILSTEIN\*, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS, CHEMCATS, CHEMLIST, CSChem, GMELIN\*, IFICDB, IFIPAT, IFIUDb, MRCK\*, MSDS-OHS, NIOSHTIC, RTECS\*, SPECINFO, TOXCENTER, USPAT2, USPATFULL  
(\*File contains numerically searchable property data)

Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

DT.CA Caplus document type: Conference; Journal; Patent

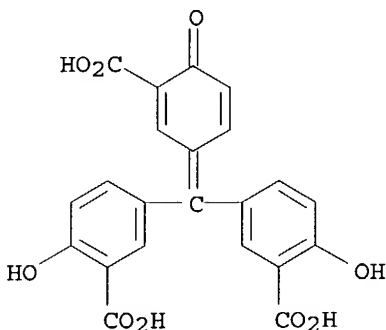
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PREP (Preparation)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); PREP (Preparation); PROC (Process); PRP (Properties); USES (Uses)

CRN (4431-00-9)



● 3 NH<sub>3</sub>

273 REFERENCES IN FILE CA (1907 TO DATE)

12 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

273 REFERENCES IN FILE CAPLUS (1907 TO DATE)

16 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN

RN 2353-45-9 REGISTRY

CN Benzenemethanaminium, N-ethyl-N-[4-[[4-[ethyl[(3-sulfophenyl)methyl]amino]phenyl](4-hydroxy-2-sulfophenyl)methylene]-2,5-cyclohexadien-1-ylidene]-3-sulfo-, inner salt, disodium salt (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Benzenemethanaminium, N-ethyl-N-[4-[[4-[ethyl[(3-sulfophenyl)methyl]amino]phenyl](4-hydroxy-2-sulfophenyl)methylene]-2,5-cyclohexadien-1-ylidene]-3-sulfo-, hydroxide, inner salt, disodium salt

CN C.I. Food Green 3 (7CI)

CN C.I. Food Green 3, disodium salt (8CI)

CN **Fast Green FCF (6CI)**

OTHER NAMES:

CN C.I. 42053

CN FD and C Green No. 3

CN FD&C Green No. 3

CN FDC Green 3

CN Food Green 3

CN Food Green No. 3

CN Japan Green 3

CN Japan Green No. 3

CN NSC 379443

DR 13083-10-8

MF C37 H36 N2 O10 S3 . 2 Na

CI COM

LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOBUSINESS, BIOSIS, CA, CANCERLIT, CAOLD, CAPLUS, CHEMCATS, CHEMLIST, CSChem, DDFU, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDb, MEDLINE, MRCK\*, MSDS-OHS, NIOSHTIC, RTECS\*, TOXCENTER, USPAT2, USPATFULL

(\*File contains numerically searchable property data)

Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

DT.CA Caplus document type: Conference; Journal; Patent

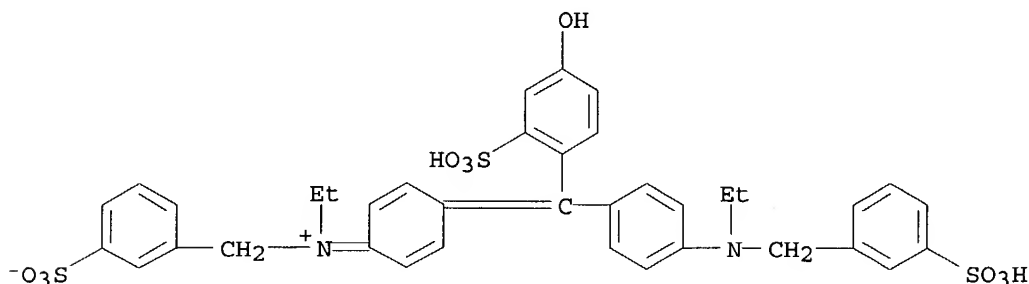
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.NP Roles for non-specific derivatives from non-patents: USES (Uses)

CRN (25738-40-3)



411 REFERENCES IN FILE CA (1907 TO DATE)  
9 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
411 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
22 REFERENCES IN FILE CAOLD (PRIOR TO 1967)